

gravity and exerting a reaction force on the first moving member in the second direction; and

an actuator, at least part of the actuator being positioned on the first moving member, the actuator generating a force acting on the first moving member in the second direction, wherein a portion where the force acts on the first moving member is substantially aligned with the center of gravity of the second moving member in the second direction.

30. (New) The stage assembly of claim 29, wherein the center of gravity of the first moving member and the center of gravity of the second moving member are aligned with each other in the second direction and the actuator applies a force on the first moving member to control a position of the first moving member in the second direction.

31. (New) The stage assembly of claim 30, comprising a pair of the guide assemblies spaced apart from each other in the first direction.

32. (New) An exposure apparatus comprising:  
an illumination system configured to irradiate radiant energy; and  
the stage assembly of claim 29, the stage assembly being configured to carry an object on a path of the radiant energy. --

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#### REMARKS

By this Preliminary Amendment, Applicant has added new claims 29-32.  
Accordingly, claims 1-32 are currently pending in this application. Claims 1, 14, 23, 25,